

Figure 2-1 AP1000 Reactor Vessel

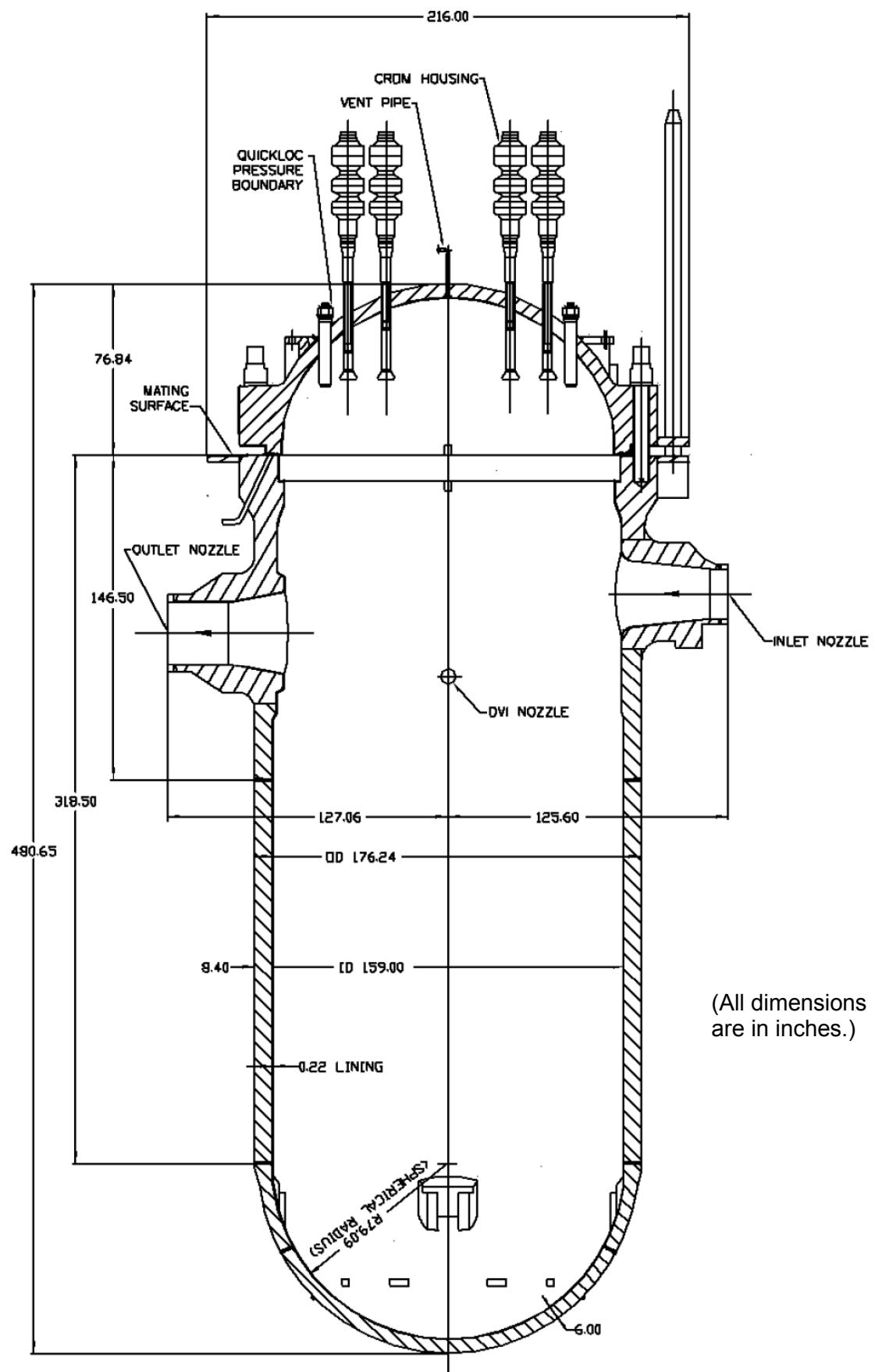


Figure 2-2 AP1000 Reactor Vessel Dimensions

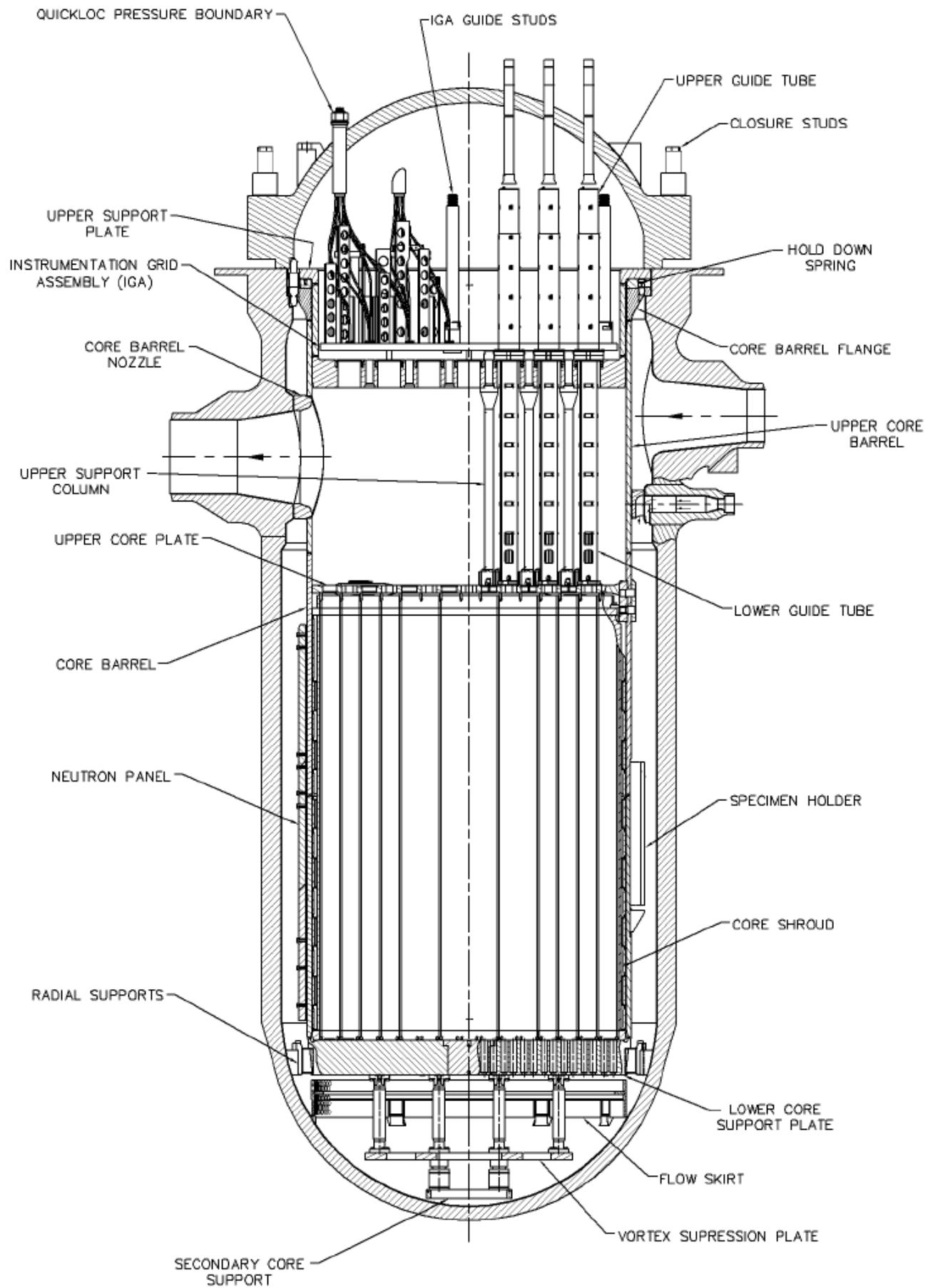


Figure 2-3 AP1000 Reactor Internal Loads

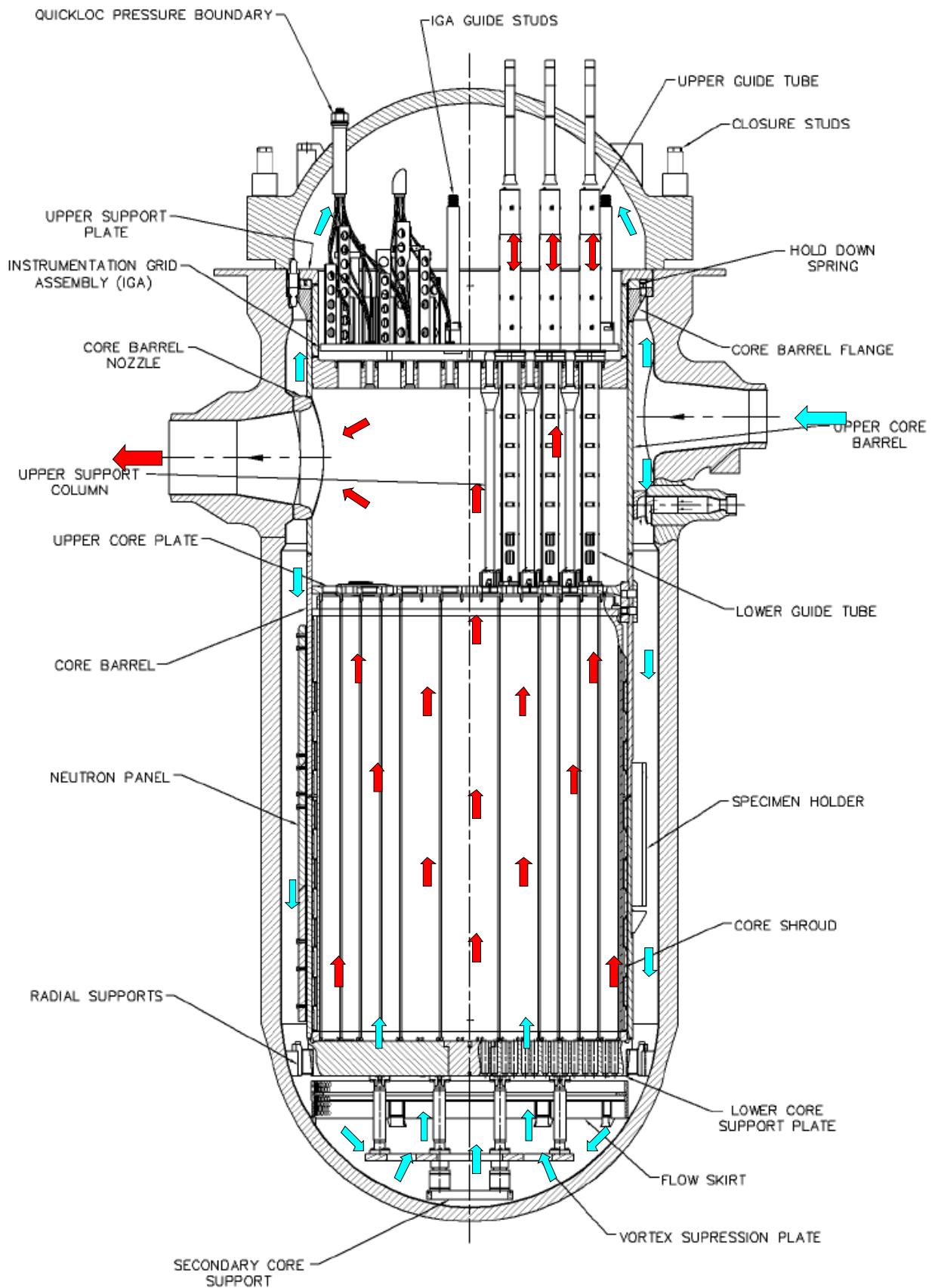


Figure 2-4 AP1000 Reactor Vessel Flowpaths

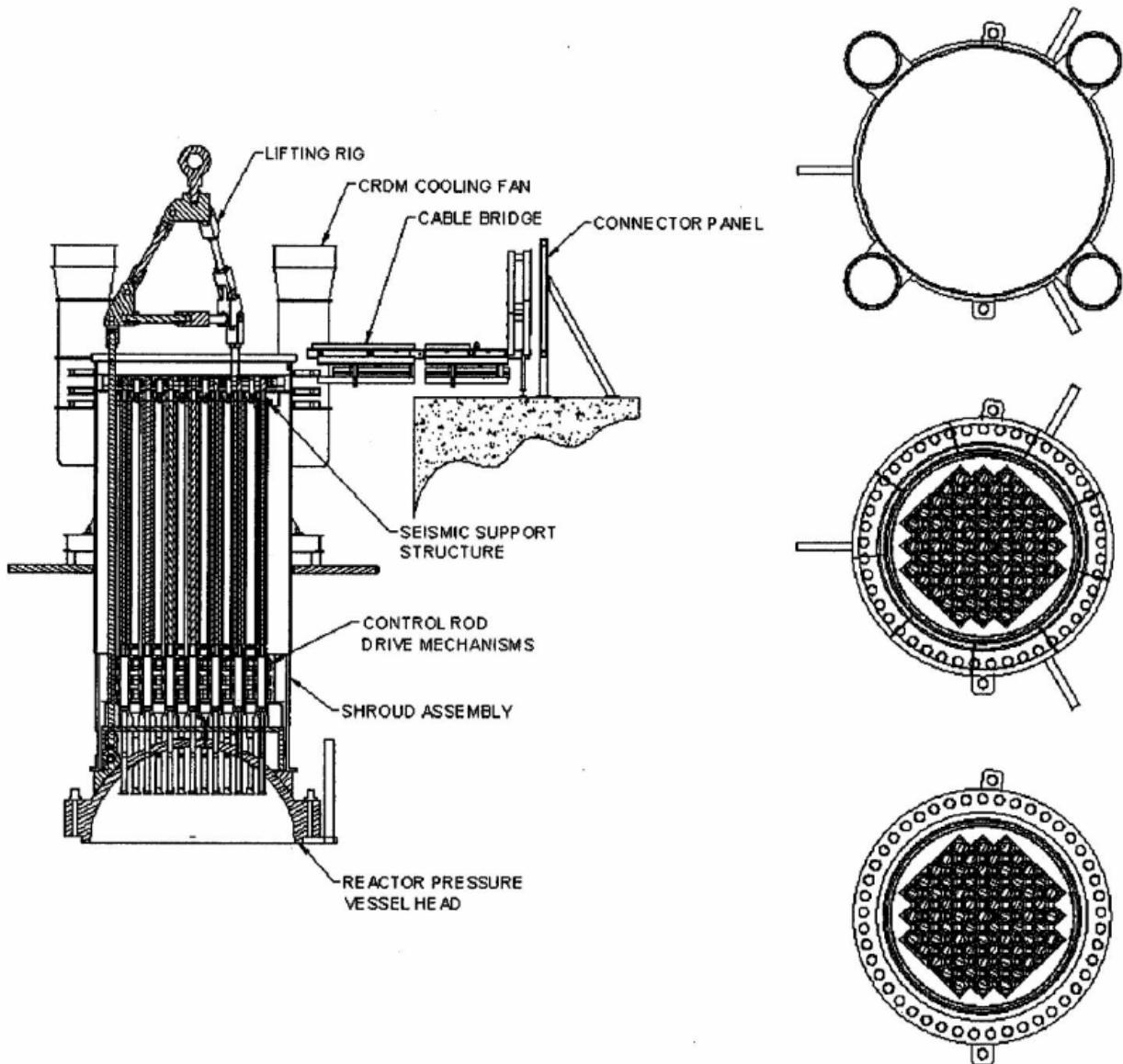


Figure 2-5 AP1000 Integrated Head Package

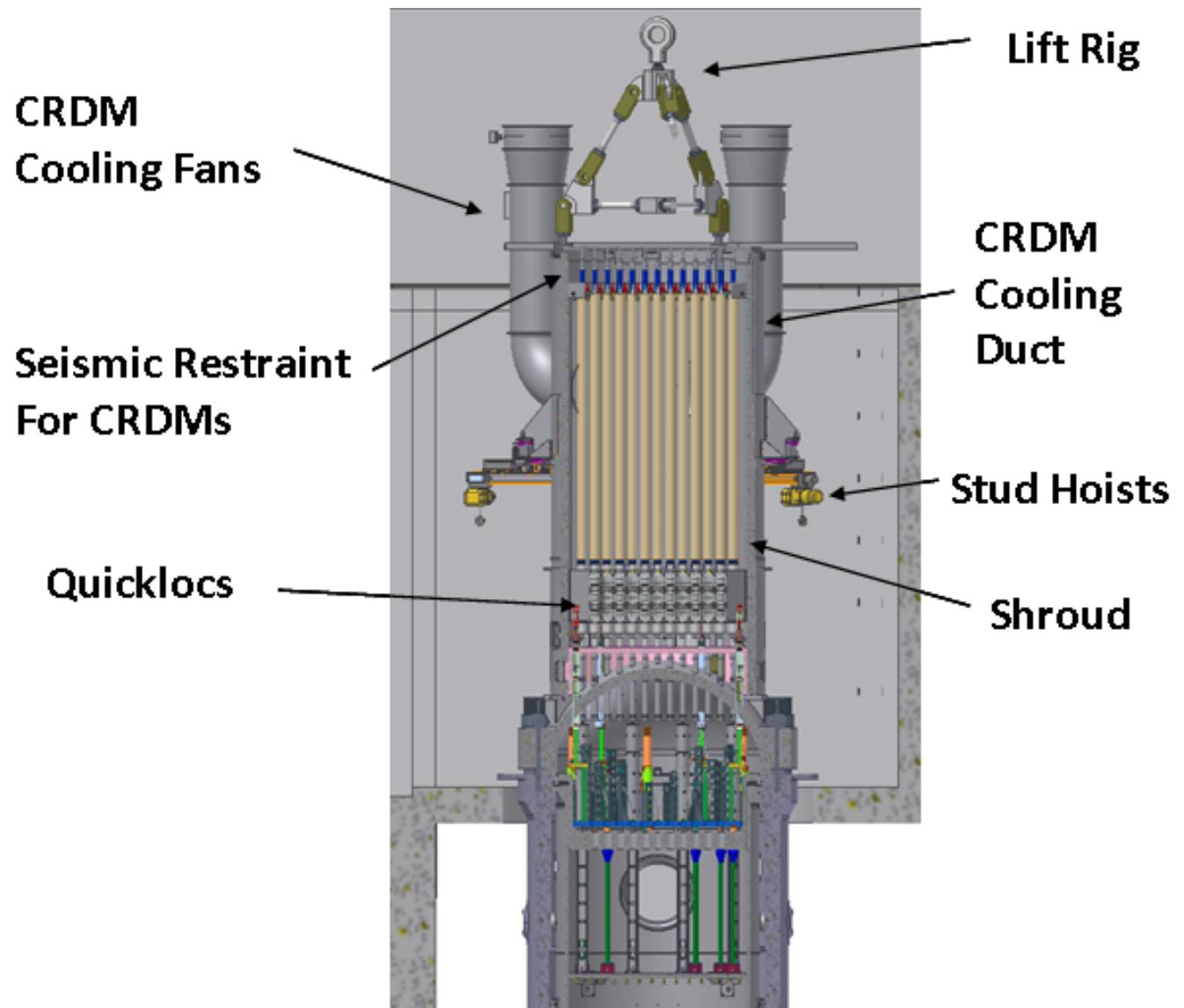
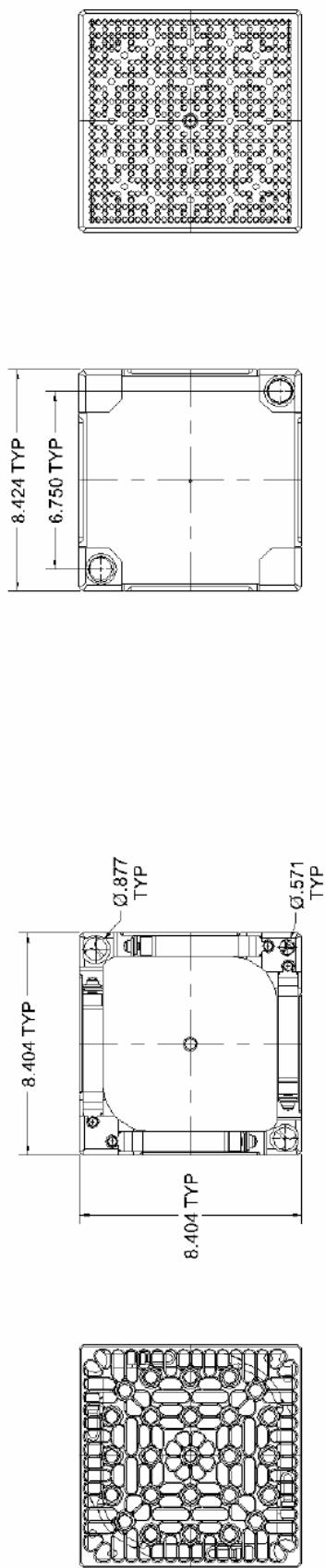
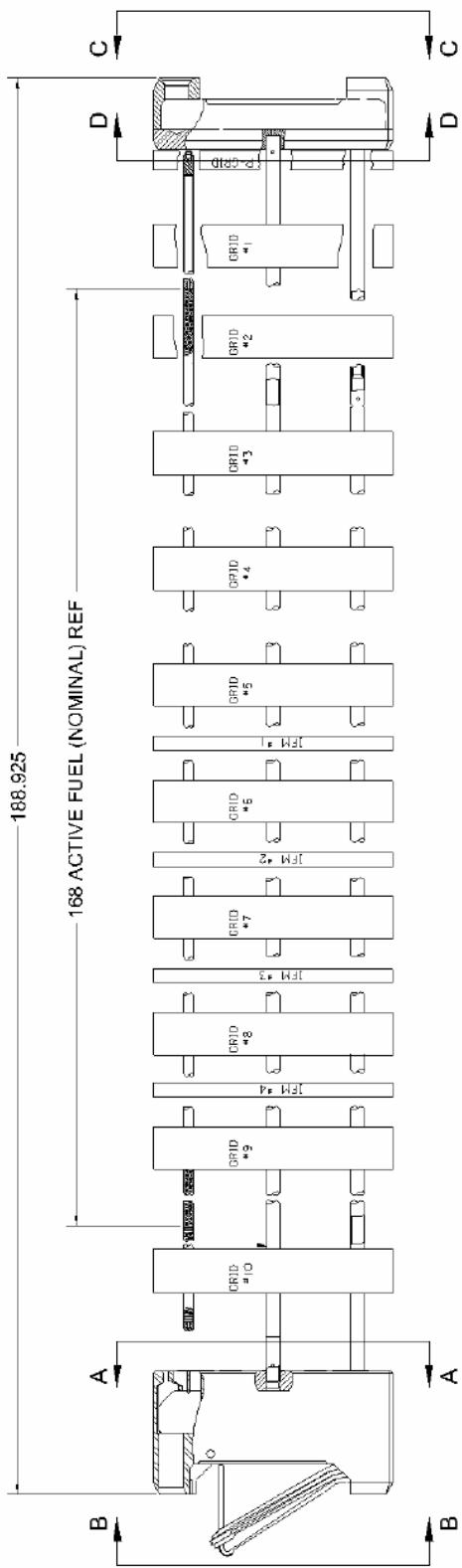


Figure 2-6 AP1000 Integrated Head Package - Details



**BOTTOM NOZZLE**  
VIEW C-C      VIEW D-D  
**TOP NOZZLE**  
VIEW B-B  
**TOP NOZZLE**  
VIEW A-A



DIMENSIONS ARE IN INCHES (NOMINAL)

Figure 2-7 AP1000 Fuel Assembly Construction

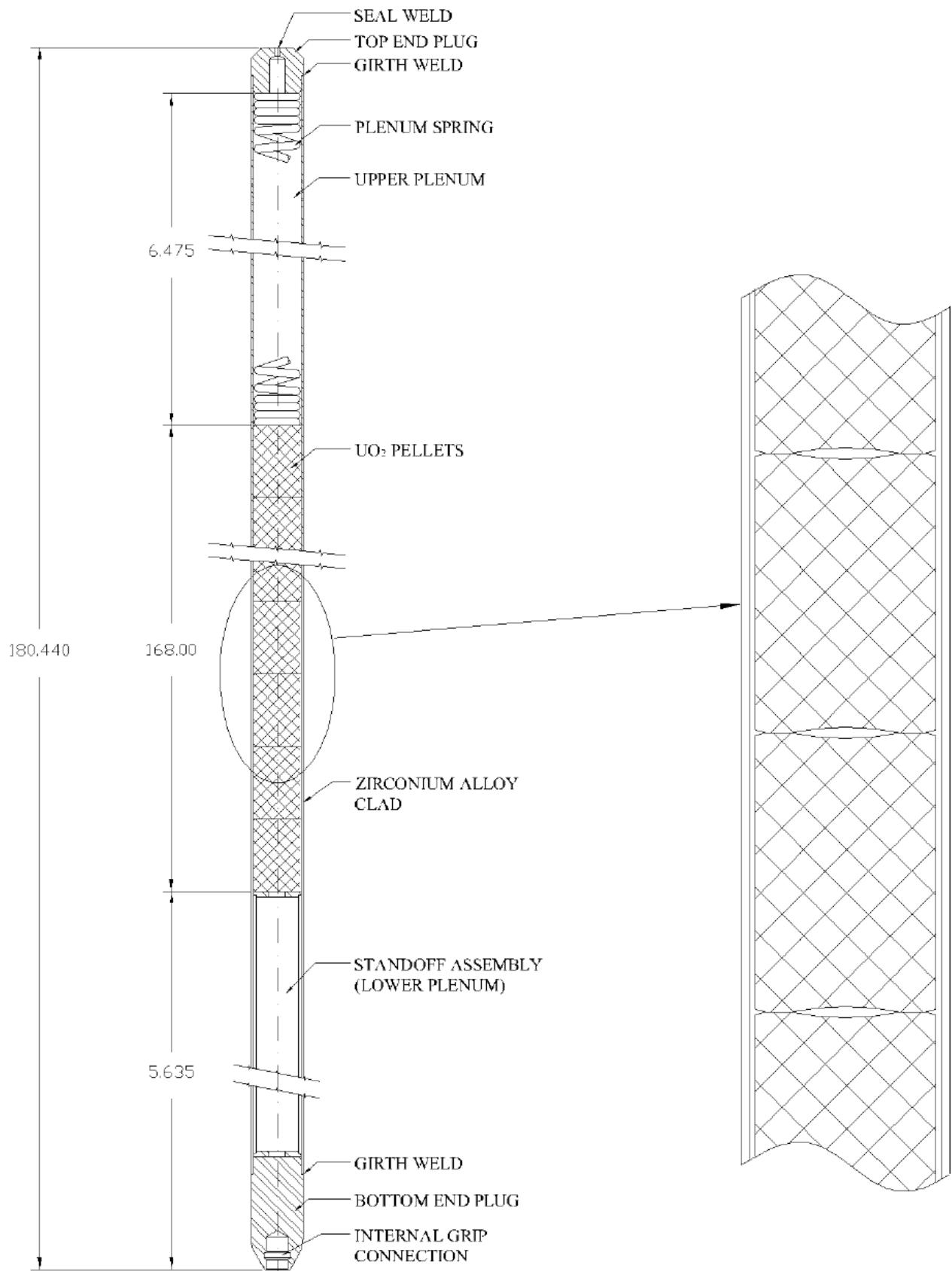


Figure 2-8 AP1000 Fuel Rod Construction

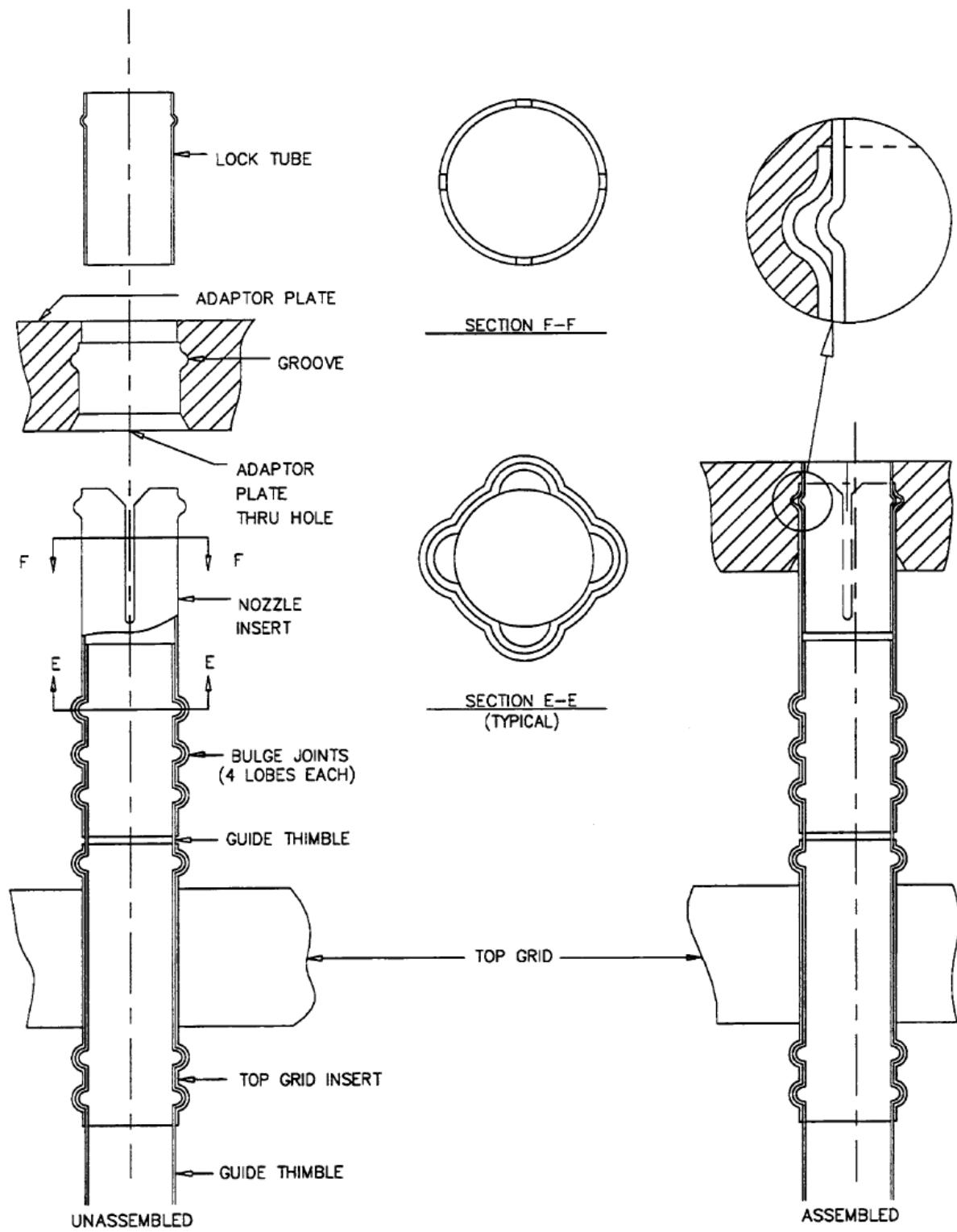


Figure 2-9 Removable Top Nozzle

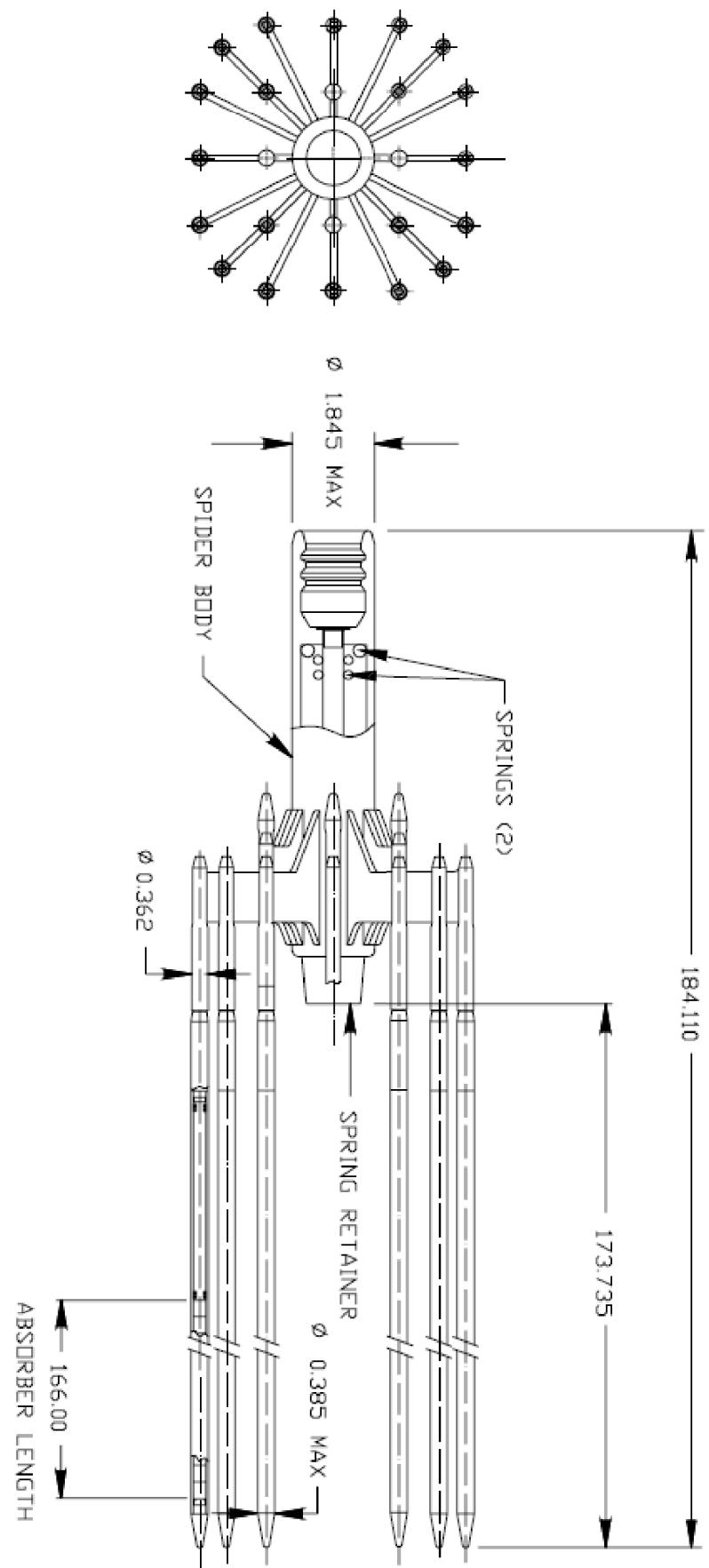


Figure 2-10 Rod Cluster Control Assembly

DIMENSIONS ARE IN INCHES (NOMINAL)  
UNLESS NOTED OTHERWISE

80% SILVER  
15% INDIUM  
5% CADMIUM

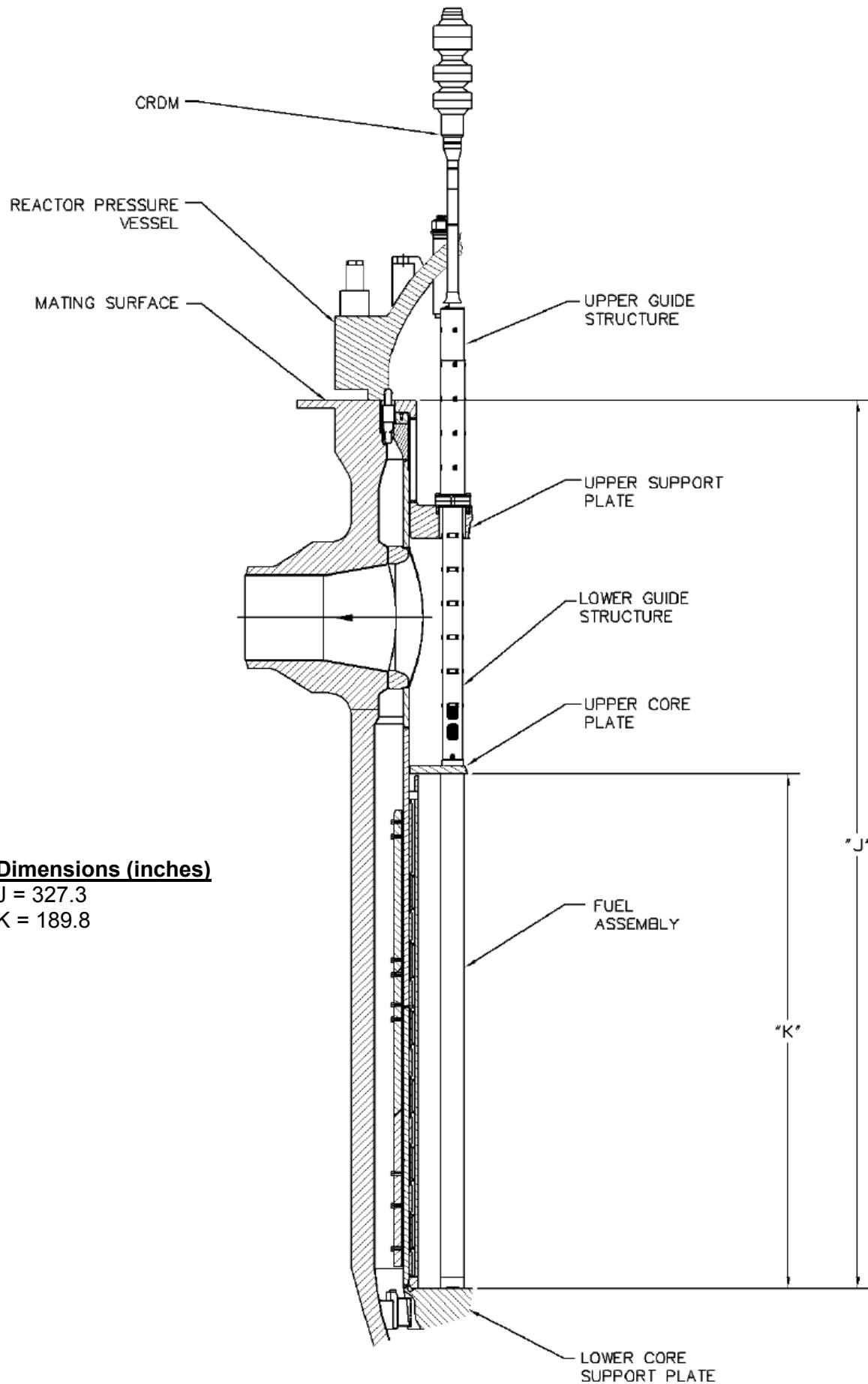
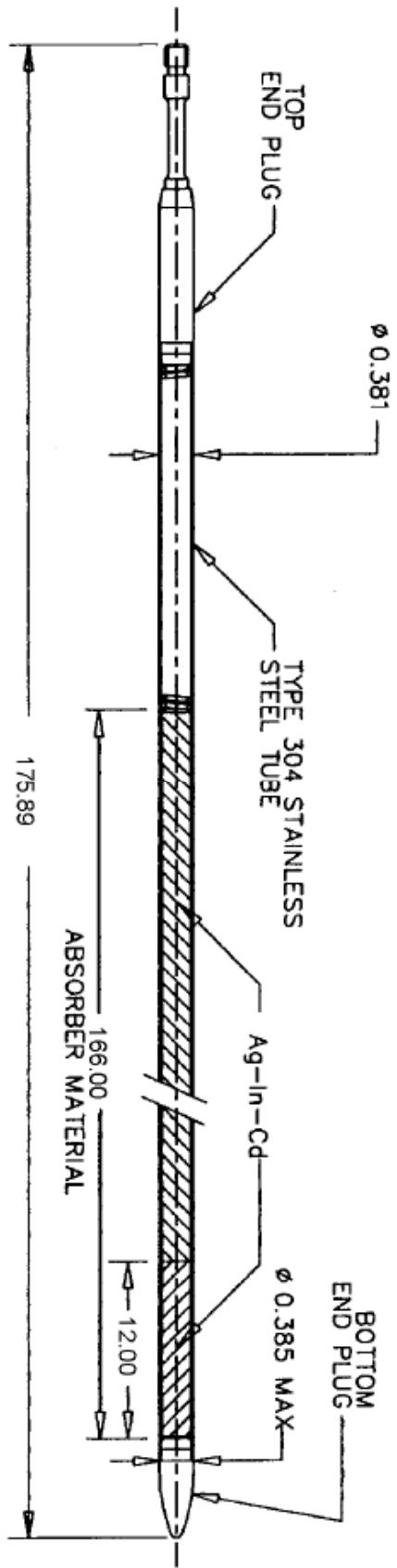


Figure 2-11 Rod Cluster Control and Drive Rod Arrangement



DIMENSIONS ARE IN INCHES (NOMINAL)  
UNLESS OTHERWISE NOTED

Figure 2-12 Absorber Rod from Rod Cluster Control Assembly

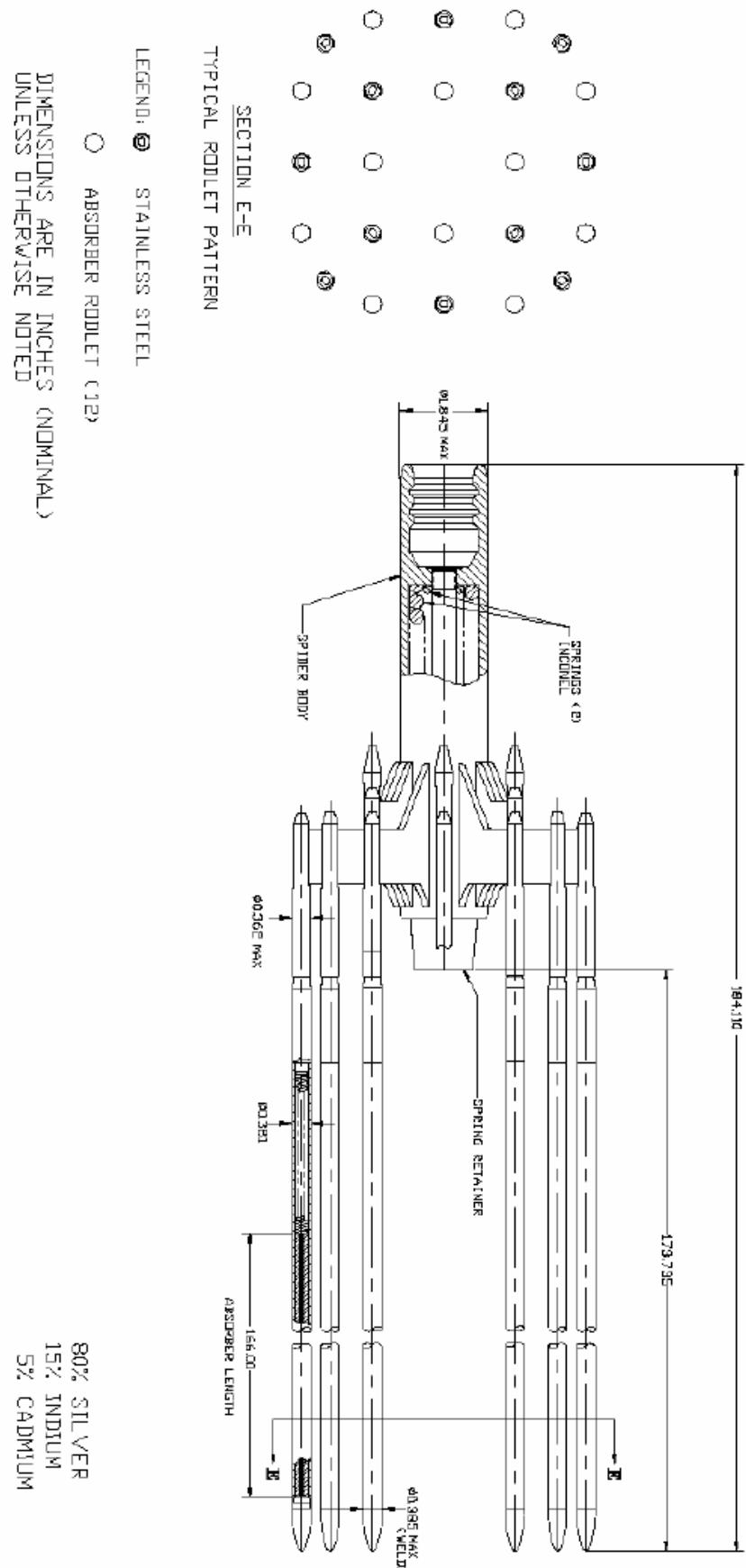


Figure 2-13 Gray Rod Assembly Construction

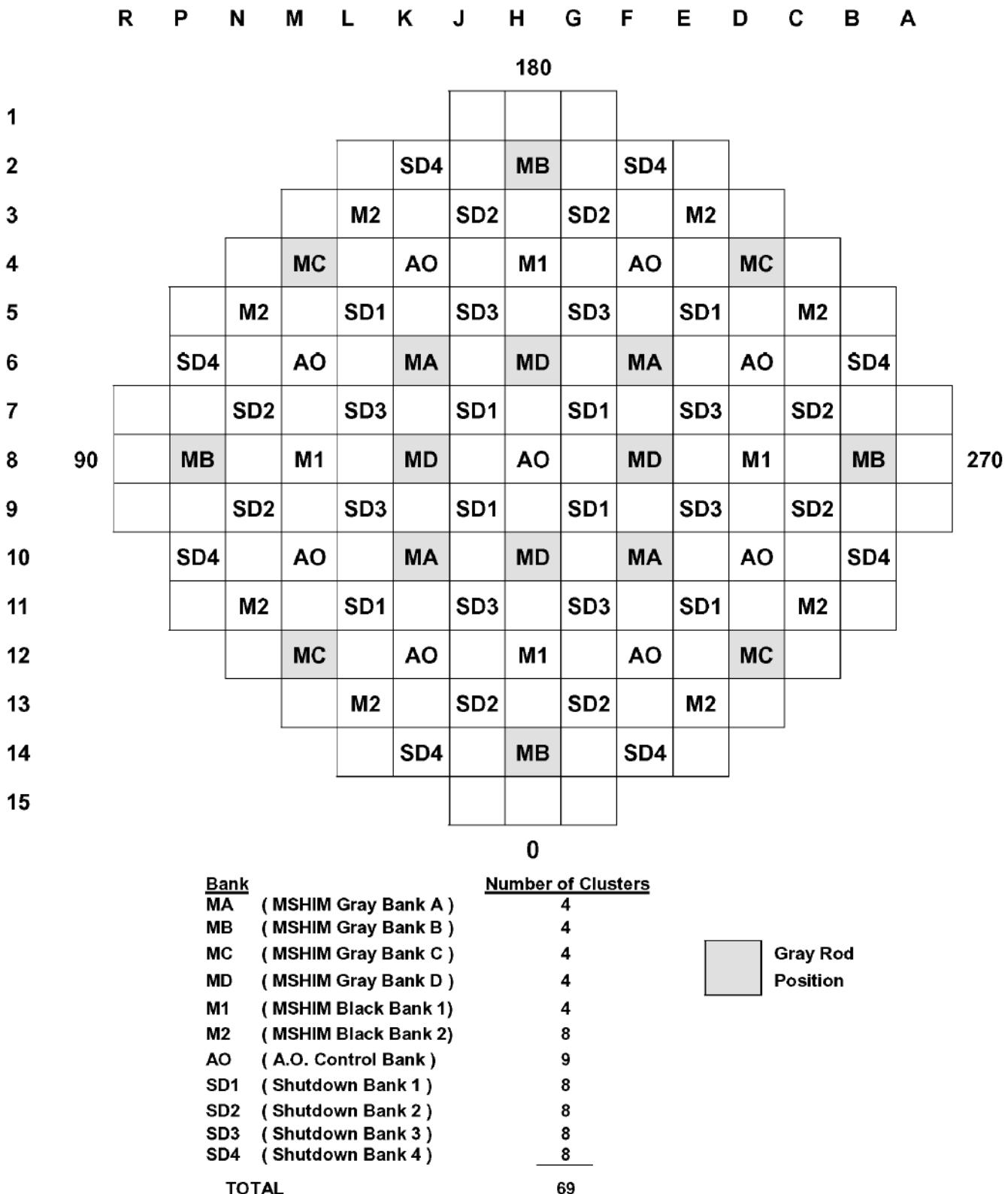


Figure 2-14 Control Rod Locations

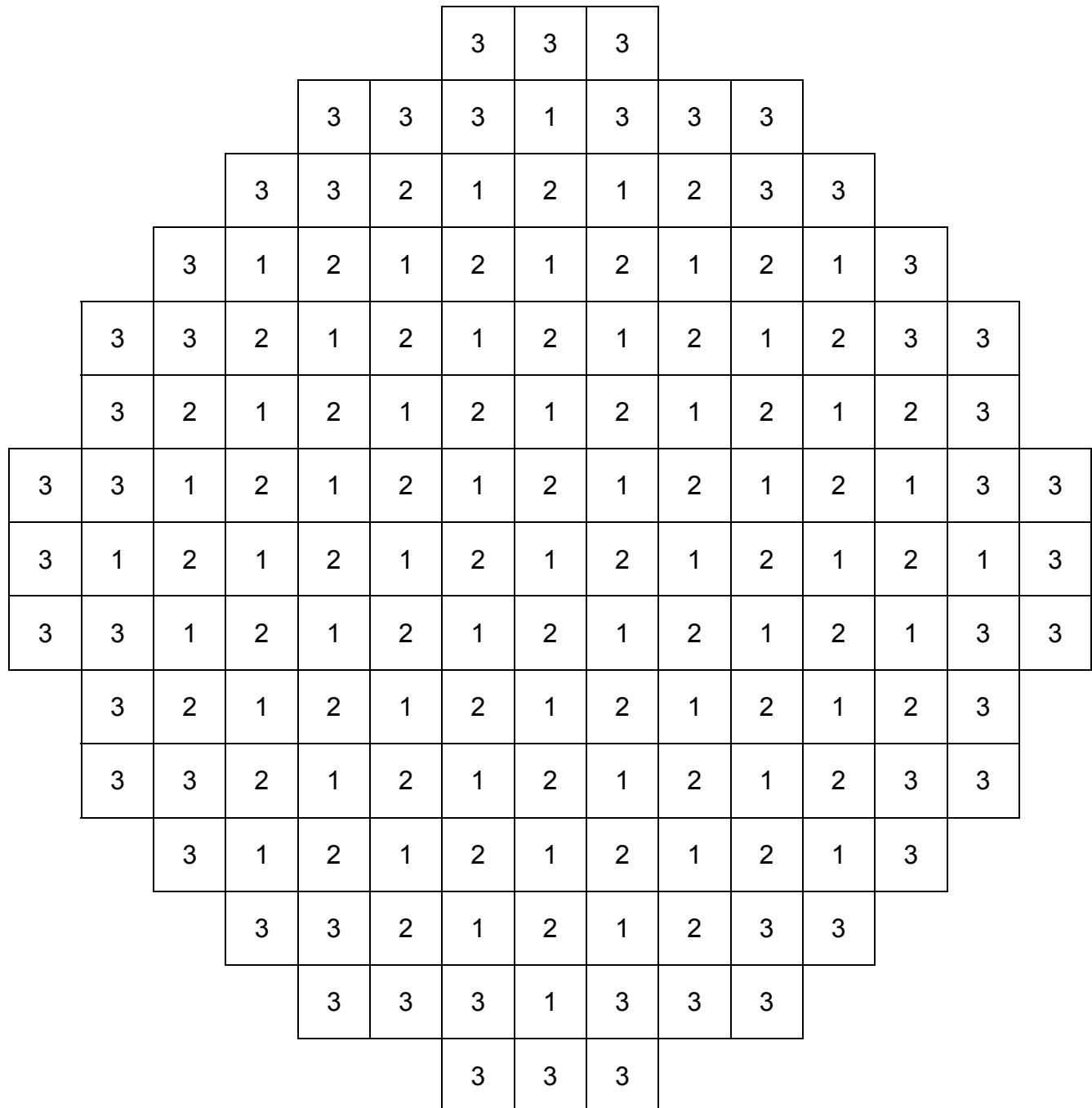


Figure 2-15 Reactor Core Regions for First Fuel Load